

REMARKS

Claims 1-21 are currently pending in the patent application. The Examiner has rejected Claims 1-21 under 35 USC 102 as anticipated by Kim.

The Examiner has stated, in the *Response to Arguments* section, that the claim language read on the Kim patent and that limitations from the specification would not be read into the claims. Applicants have amended the claims to more expressly recite that the message processing unit communicates with at least one remote monitoring unit and at least one dedicated CPU (from the preamble and Specification page 4), that the determining of message processing treatment is done based on configuration data of the message processing device and information encoded in the message (see: Specification page 7, lines 4-6), and that execution units are dynamically and selectively invoked to perform the determined processing (see: Specification page 7, lines 9-22). For the reasons set forth below, Applicants believe that the claims as amended are allowable over the Kim patent.

The Kim patent is directed to a satellite communications system comprising a network of nodes, wherein one node is designated as a master node and another as a

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stand-by master node. All of the nodes of the network have the same configuration, including an antenna subsystem, RF subsystem, communications controller, etc. The relevant passages of Kim, particularly from Col. 78 through 83, deal with routing communications through the network of nodes. Applicants respectfully assert that the Kim patent does not teach or suggest the invention as claimed.

With specific reference to the language of the independent claims, the Kim patent does not teach a system or method for message processing in a system for communicating with remote units over at least one data network and for communicating with at least one dedicated CPU, wherein messages are received from the at least one remote monitoring units and processing results are communicated to the at least one CPU. Rather, Kim provides a message routing system. The Kim patent does not teach the steps of receiving a message to be processed and determining the kind of message processing treatment to be performed with said received message. Kim determines if a message is to be routed, but does not determine a **kind of processing treatment** for the message. Further, Kim does not teach or suggest determining a kind of processing treatment based on configuration data and information encoded in the message. In addition, Kim neither teaches nor suggests determining a

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number of process execution units needed to perform the message processing or dynamically selectively invoking a number of process execution units.

Next, with respect to the claim step of storing message specific information specifying the contents of the received message and the determined message processing treatment into a first set of registers, Applicants first note that since Kim has not determined a message processing treatment, such information cannot be stored. Furthermore, Kim teaches message routing but does not teach or suggest storing message contents and determined message processing treatment.

Further, Kim does not teach or suggest monitoring a first set of registers in order to start processing a received message once a determined number of process execution units is available for processing. Rather, Kim teaches that a message is sent to its destination, regardless of execution unit availability and with no monitoring of registers, let alone registers containing determined message processing treatment as well as message contents.

Applicants further assert that the Kim patent does not teach a step for performing a determined message processing treatment, whereby said processing is executed sequentially,

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in parallel, or both sequentially and in parallel. Since Kim does not determine what processing treatment is appropriate for a message, Kim clearly does not then perform the determined treatment. The most that Kim does is route a message from a node when that node determines that it is not the message destination.

With regard to the claim feature of monitoring the first set of registers in order to start presenting the result of said determined message processing treatment to at least one dedicated CPU once the processing of the message is complete, Applicants again note that Kim does not determine a message processing treatment, nor does Kim execute that treatment to produce results for presenting. Moreover, there is nothing in the cited Kim teachings regarding presenting processing results.

Finally, Applicants assert that the Kim patent does not teach presenting the result of determined message processing to be forwarded to a destination unit comprising at least one dedicated CPU. Kim routes a message to a message destination unit but does not route the results of message processing to a message destination.

It is well established under U. S. Patent Law that, for a reference to anticipate claim language under 35 USC 102, that reference must teach each and every claim feature.

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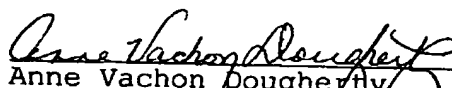
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Since the Kim patent does not teach steps or means for message processing in a system for communicating with remote units over at least one data network and with at least one dedicated CPU the method comprising the means and steps for receiving a message to be processed and determining the kind of message processing treatment to be performed with said received message based on configuration data and message data; for determining a number of process execution units; for performing said determined message processing treatment, and for presenting the result of the determined message processing to be forwarded to a destination unit, it cannot be maintained that the Kim patent anticipates the invention as set forth in the independent claims, Claims 1, 19, and 21, or the claims which depend therefrom and add further limitations thereto.

Based on the foregoing amendments and remarks, Applicants respectfully request entry of the amendments, reconsideration of the amended claim language, withdrawal of the rejections, and allowance of the claims.

Respectfully submitted,  
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